

AMENDMENTS TO THE ABSTRACT

A method and a system for controlling a reverse link rate in a CDMA mobile communication system is provided. A method for controlling a reverse link rate by using the number of active users who are carrying out communication in a CDMA 1xEV-DO mobile communication system is disclosed, comprising the steps of: (a) measuring a A value of rise-over-thermal (ROT) at each antenna end of a wireless base station is measured and compared to obtain a measured ROT value; (b) comparing the measured ROT value with a threshold ROT which defines an allowable limit of the ROT, A; (c) setting a reverse activation control bit is set as 0 to be transmitted to a mobile terminal if the comparison result in step (b) reveals that the measured ROT value is smaller than or equal to the threshold ROT, A; (d) comparing the The number of the active users is compared with a threshold user number which defines an allowable limit of the active users if the comparison result in step (b) reveals that the measured ROT value is greater than the threshold ROT, A; (e) setting the The reverse activation control bit is set as 0 to be transmitted to the mobile terminal if the comparison result in step (d) reveals that the number of the active users is smaller than or equal to the threshold user number, A; and (f) setting the The reverse activation control bit is set as 1 to be transmitted to the mobile terminal if the comparison result in step (d) reveals that the number of the active users is greater than the threshold user number.